

PI 536531 to 536539-continued

PI 536538 **donor id:** FLEMISH. **origin:** United States. **pedigree:** Population from composite of Socheville, G777, Stride, Europa, Apex, Anchor, G7730, Alfa, K78-10, Tourneur 501, Flemish Phy. SC, MN Flemish Phy., Anchor P2, Du Puits, and Flemish PRR. **other id:** GP-237. **group:** CSR-ALFALFA. **remarks:** Germplasm source for basic studies related to genetic diversity, heterozygosity, and heterosis. Perennial. Breeding Material. Seed.

PI 536539 **donor id:** AFRICAN. **origin:** United States. **pedigree:** Population from composite of Lew, Sonora, Sonora 70, Byran Syn., African 4-31-A, Moapa and African 4-44-A. **other id:** GP-238. **group:** CSR-ALFALFA. **remarks:** Germplasm source for basic studies related to genetic diversity, heterozygosity, and heterosis. Perennial. Breeding Material. Seed.

PI 536540. *Phaseolus vulgaris* L. FABACEAE Black bean

Donated by: Ghaderi, A., Dept. of Crop and Soil Sciences, Michigan State University, East Lansing, Michigan, United States. **remarks:** Developed by the Michigan Agricultural Experiment Station and USDA-ARS and released in 1989. Received November 15, 1989.

donor id: B83302. **origin:** United States. **cultivar:** BLACKHAWK. **pedigree:** Tuscola/CN49-242/2/Black Magic/3/Midnight. **other id:** CV-83. **group:** CSR-OTHER LEGUMES. **other id:** PVP 9000107. **source:** Pending. **group:** PVPO. **remarks:** Tropical type with upright growth, full season yielding and disease resistance. Plants erect, type II. Vine growth short. Yield 26.5 kg per hectare in absence of anthracnose. Days to harvest maturity 100. Seeds black. Consumer and culinary qualities and color retention good. Resistant to all strains of common bean mosaic virus, anthracnose, and bean rust. Tolerance to halo blight and angular leaf spot. Annual. Cultivar. Seed.

PI 536541. *Phaseolus vulgaris* L. FABACEAE Common bean

Donated by: Park, S.J.; Buttery, B.R., Agriculture Canada Research Station, Harrow, Ontario, Canada. **remarks:** Developed by the Agriculture Canada Research Station, and released in 1989. Received November 15, 1989.